

Solvent resistant acrylic resin and process for producing the same

Patent Number: ☐ US4246382
Publication date: 1981-01-20
Inventor(s): HONDA MAKOTO; OZAWA KOHE; HOSOYA KAZUHIRO; KURITA JIRO
Applicant(s):: ASAHI CHEMICAL IND
Requested Patent: ☐ DE2848906
Application Number: US19780957887 19781106
Priority Number(s): JP19780019514 19780222; JP19780058476 19780517; JP19780081438 19780706;
JP19770134728 19771111
IPC Classification: C08F2/38 ; C08F20/14
EC Classification: C08F20/14
Equivalents: ☐ FR2408627, ☐ GB2008130, ☐ IT1100098

Abstract

An acrylic resin having resistance to crazing or crack formation when brought into contact with an organic solvent may be prepared by polymerizing or copolymerizing a monomer or monomers comprising (1) 50 to 100 wt. % of methyl methacrylate and (2) 0 to 50 wt. % of at least one monomer selected from the group consisting of an acrylic ester and a methacrylic acid ester, and adding a chain transfer agent after initiation and prior to completion of the polymerization. The acrylic resins have an intrinsic viscosity of 0.028 to 0.117 liters per gram, and a ratio of weight-average molecular weight to number-average molecular weight of 2.3 to 6.0.

Data supplied from the **esp@cenet** database - I2